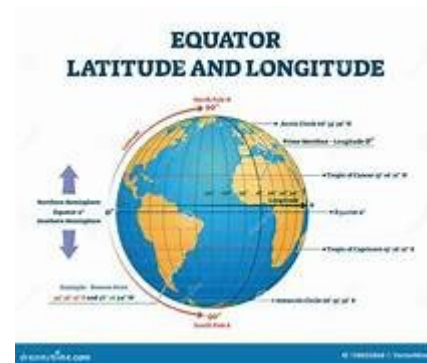
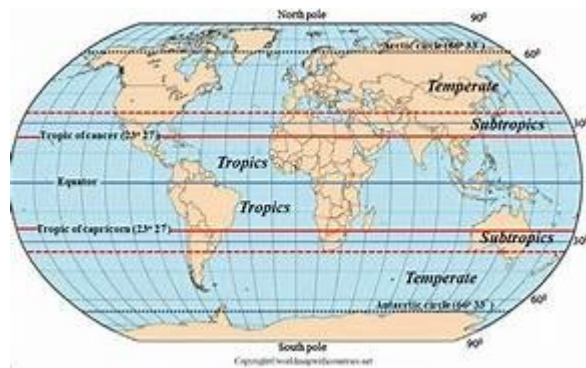
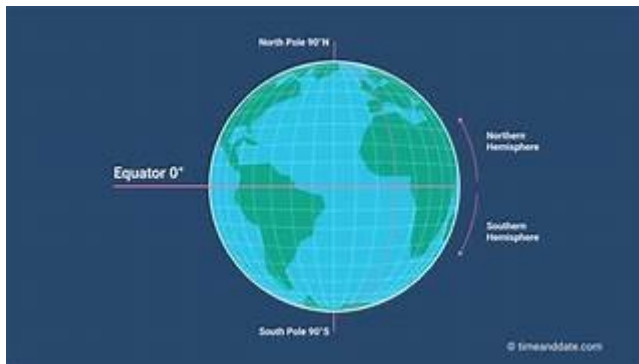
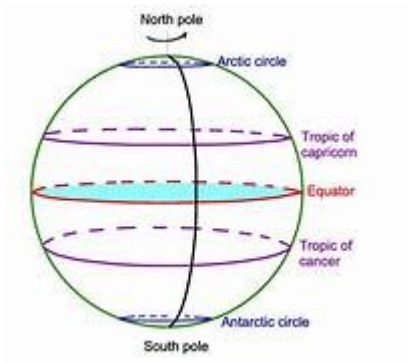
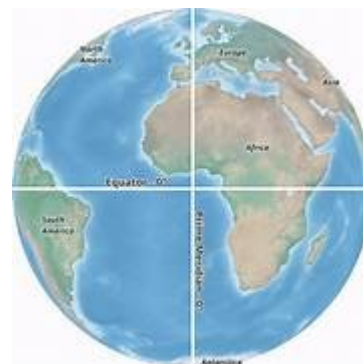
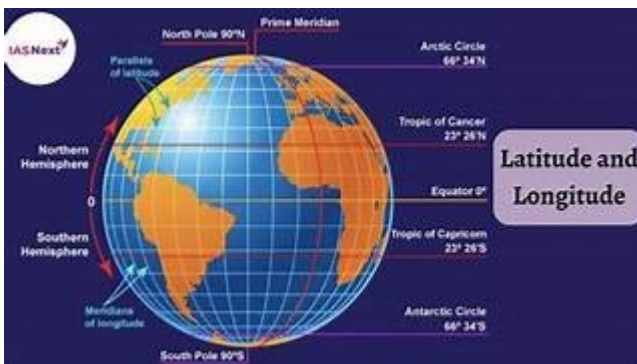


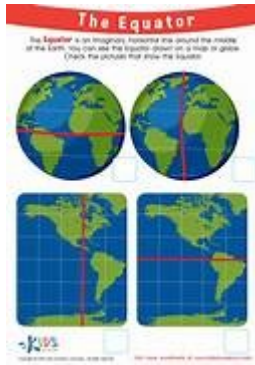
# Ryan Padraig Kelly Equator











## What is the EQUATOR?



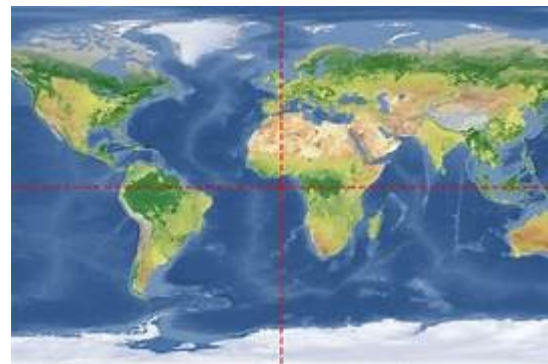
The **Equator of the Earth** is an imaginary line that divides the planet into two hemispheres: the Northern Hemisphere and the Southern Hemisphere.

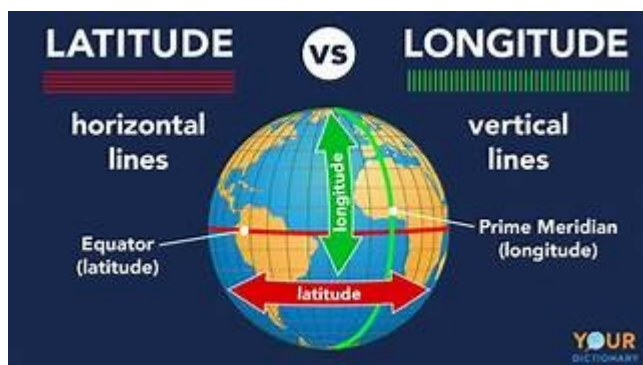
It is a horizontal line that is **equidistant from the poles** and **crosses the center of the Earth**.

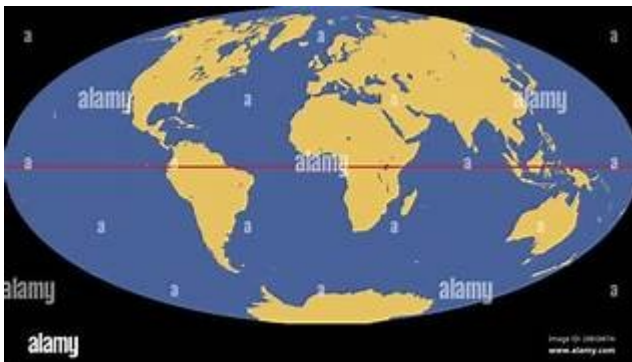
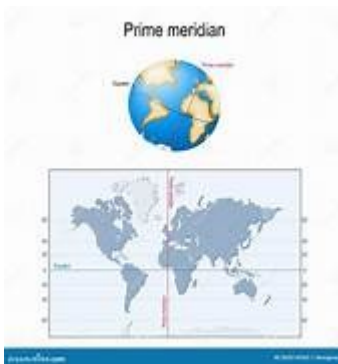
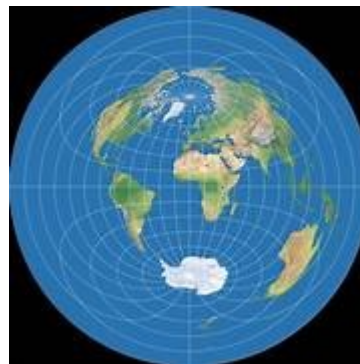
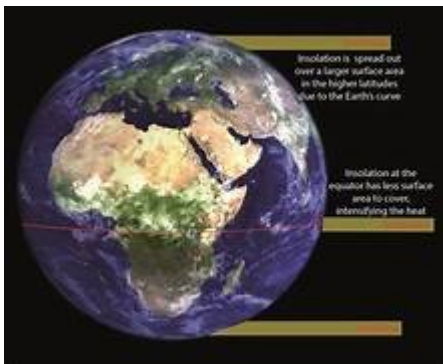
This line marks the point where the latitude is 0 degrees and is important in geography and cartography as it helps us locate different places on the globe.

Additionally, the **Equator** has special characteristics, such as a greater amount of sunlight and a generally warm and tropical climate.

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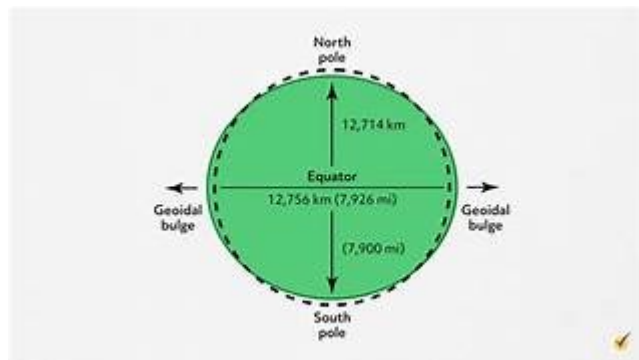
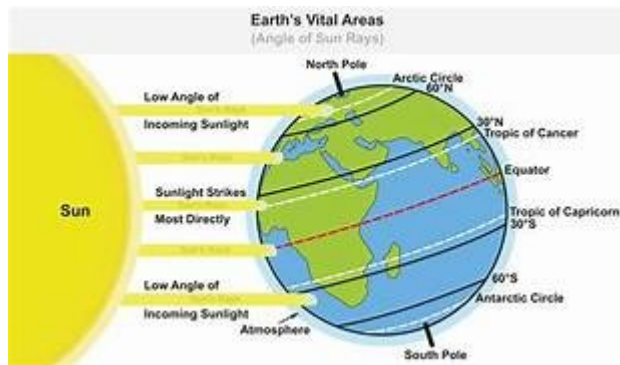




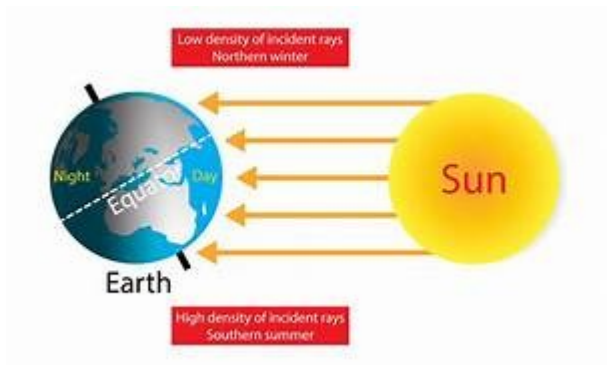




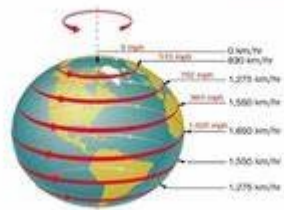




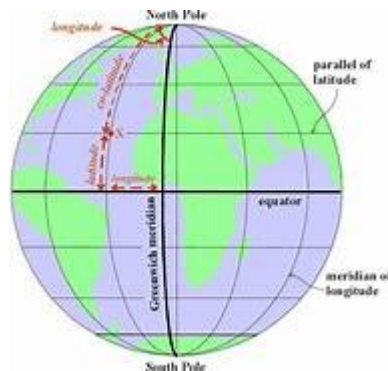
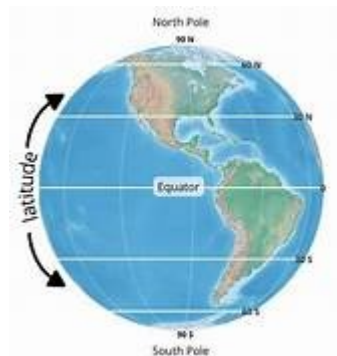
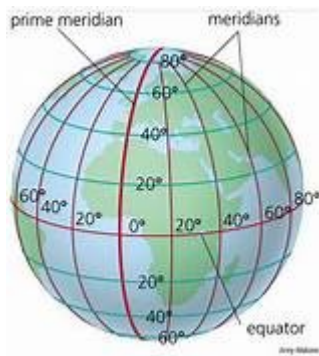


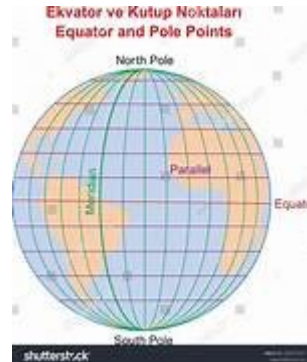
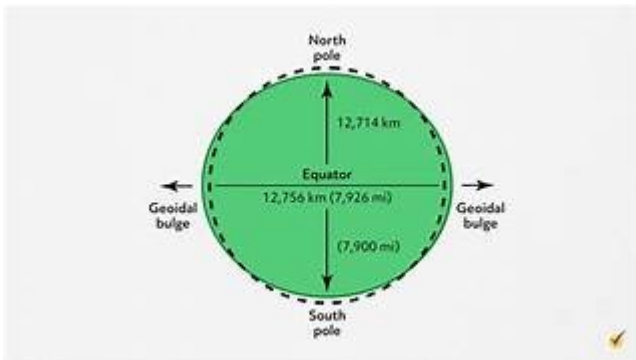
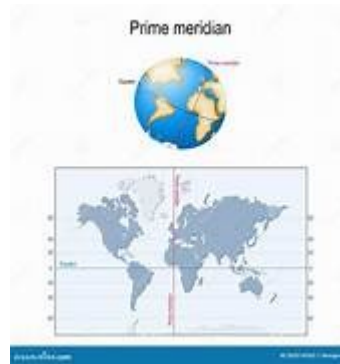


1. The Rotational Velocity of the Earth at the Equator where the circumference is about 40,000 km is around 1,650km/hour and 0 km/hour at the North pole as seen the diagram below. Find the velocity of the earth at the following latitudes. Just divide the circumference at each latitude by 24 hrs.



Earth's Velocity by Latitude





# What is the EQUATOR?



The **Equator of the Earth** is an **imaginary line** that **divides the planet into two hemispheres**: the Northern Hemisphere and the Southern Hemisphere.

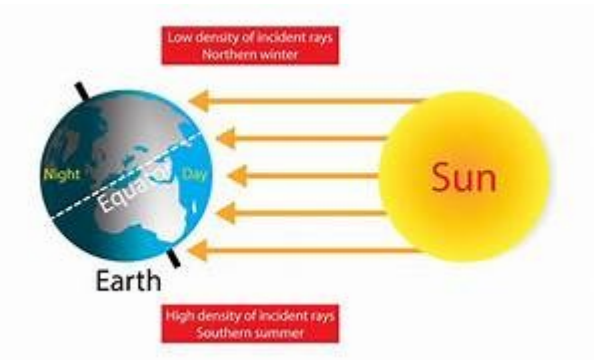
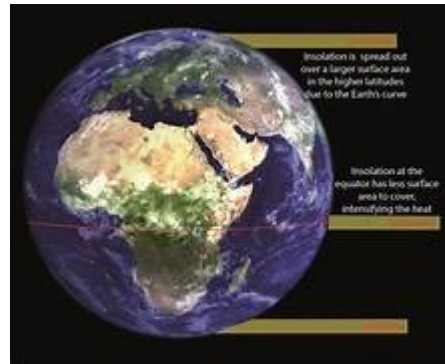
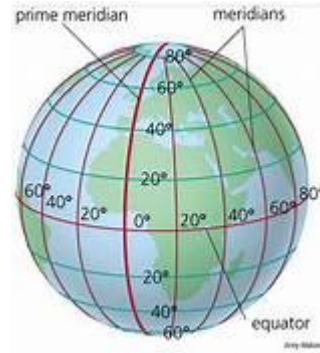
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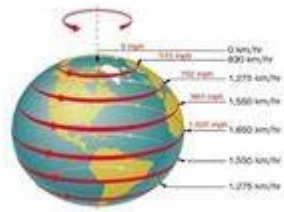


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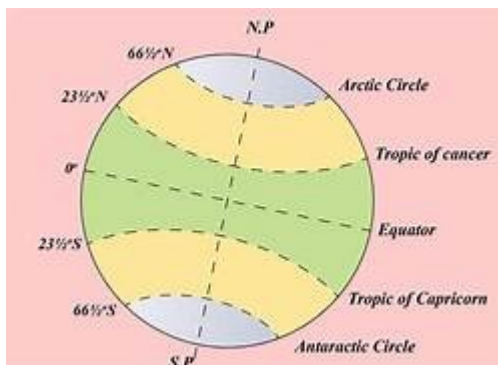


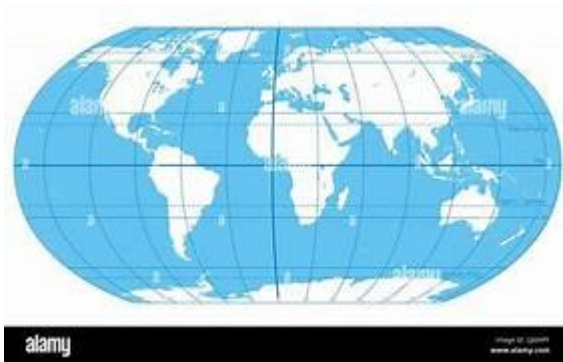
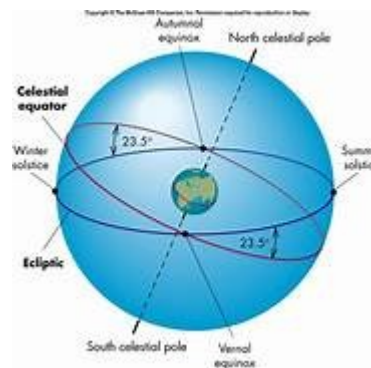
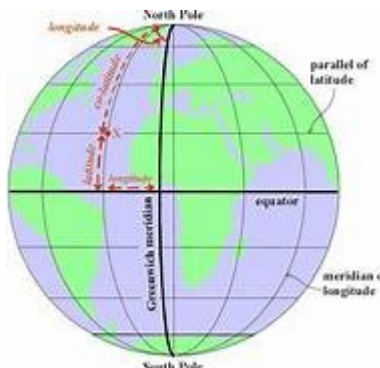
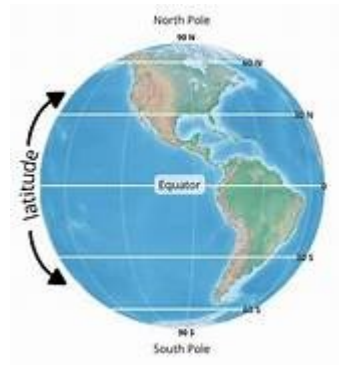


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## LATITUDE, LONGITUDINA & COUNTRIES ON EQUATOR

